

DOCKET NO.: PANA-0002
PATENT APPLICATION

SERIAL NO.: 09/753,892
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administered are about 200-3000 nucleotides in length.

38 (New). The method of claim 32 wherein the livestock is a species selected from the group consisting of: bovine, equine, ovine, porcine and avian.

REMARKS

Claims 1-30 are pending in the application.

Claims 1-30 have been subject to a restriction requirement.

By way of this amendment, claims 23-30 have been canceled and new claims 31-38 have been added.

Upon entry of the amendment, claims 1-22 and 31-38 will be pending.

Applicants elect Group I, claims 1-22 for examination at this time.

Claims 23-30 have been canceled as being directed to non-elected inventions. The subject matter of claims 23-30 is expressly reserved.

New claims 31-38 are directed at additional embodiments of the elected invention.

Claim 31 is directed at specific embodiments of the invention in which the individual is one of a specifically recited set of species. Support for this amendment is found throughout the specification such as on page 10, lines 27-30. No new matter is added.

New claims 32-38 refer to methods of replacing undesirable alleles with corresponding

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desirable alleles. Support for new claims 32-38 is found throughout the specification such as on page 5 line 28 to page 6 line 6. No new matter has been added.

Claims 1-22 and new claims 32-38 are in allowable form. An Notice of Allowance is earnestly solicited.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "**Version with markings to show changes made.**"

Respectfully submitted,



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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Claims 23-30 have been canceled without prejudice and new claims 31-38 have been added.